

medway school of pharmacy



Welcome from the Head of School

Welcome to the Medway School of Pharmacy. I am delighted that you are considering pharmacy as a career, as it offers a huge range of opportunities, from direct patient contact through scientific research to policy development.

The MPharm course is exciting and diverse, including modules on chemistry and biology, but always retaining a clear focus on patients. No two days are the same!

I hope you find this prospectus informative and very much look forward to welcoming you to one of our Open Days.

Professor Susan Barker
Head of School



Why study with us?

The Medway School of Pharmacy (MSoP) is a unique collaboration between the University of Greenwich and the University of Kent.

The school is located at the heart of a multi-university campus at Chatham Maritime in Medway, Kent. Investment in extensive new laboratories and research facilities has seen the campus develop into a major higher education centre.

Currently, there are approximately 500 undergraduates at the school. In addition, we have a thriving postgraduate community, with students undertaking a range of research degrees and continuing professional development courses.

According to the National Student Survey 2019, MSoP scored 90% in overall satisfaction, and 99% of our students are in employment or further study within 6 months of graduation!

Student care and support is integral to our mission “to produce, through innovative teaching and



research delivered in a supportive and caring environment, high quality professional graduates committed to lifelong learning”. You will be assigned an individual personal advisor who can help with academic or personal concerns.

You will be taught by a dedicated and experienced team of academic staff, both pharmacists and scientists, working together with administrative and technical

personnel. We have made a significant investment in facilities and equipment. Many of the academic staff are internationally-recognised active researchers and our research was rated as excellent in REF 2014. Other academic staff are leaders within the profession of pharmacy. Our teaching is directly informed by our research and professional activities.



Master of Pharmacy (MPharm)

Why study this programme?

The four-year MPharm programme provides pharmacy education of excellent quality and focuses on producing future pharmacists who will promote safe and effective use of medicines, ensuring patient and public safety at all times. Our graduates will demonstrate intellectual creativity and curiosity in their professional practice. They will also meet the requirements for accreditation by the GPhC on successful completion of the programme.

The MPharm curriculum is outcomes-focused and it was

designed to prepare students for their future professional practice.

Teaching covers basic and applied science and clinical and professional practice, all in the context of patient care.

Core themes of biological sciences, chemistry, drug delivery, and professional practice are taught through integrated courses based around body systems, including the brain and psychiatry, heart and circulatory system, and endocrine system.

By using these body systems, we break down barriers between the core themes, enabling you to learn more effectively.

Your studies will be supported by practice related learning through placements, as well as simulation-based learning and additional practice experience provided in-house.

The MPharm course was re-accredited by the General Pharmaceutical Council in 2019.

Graduates are required to undertake and pass a pre-registration examination before being permitted to register as pharmacists in Great Britain. Our graduates perform consistently well in this assessment.



What will you study?

Years 1, 2 and 3 are taught at undergraduate level; Year 4 is taught at Master's level.

Year 1: Introductory Principles

- Medicinal Products: Chemistry and Pharmaceutics for Pharmacy (30 credits)
- Molecules, Cells and Body Systems: Cell Biology and Biochemistry (30 credits)
- Molecules, Cells and Body Systems: Physiology and Pharmacology (30 credits)
- Introduction to Pharmacy: Professional Skills, Law and Ethics (30 credits)

Year 2: Medicines and Disease

- Medicines and Diseases: Heart, Renal, Endocrine and Nutrition (40 credits)
- Medicines and Diseases: Cancer, Infection, Joints, Lungs, Skin (40 credits)
- Medicines and Diseases: Brain, Psychiatry and Eyes (40 credits)

Year 3: Integrated Therapeutics

- Integrated Therapeutics: Heart, Renal, Endocrine and Nutrition (40 credits)
- Integrated Therapeutics: Cancer, Infection, Joints, Lungs, Skin (40 credits)
- Integrated Therapeutics: Brain, Psychiatry and Eyes (40 credits)

Year 4: Research and Application

- Sustained Research Project (40 credits)
- Preparing for Practice (60 credits)
- Advanced Science Elective (20 credits)

One option from a range including: Advanced Neuroscience; Advanced Cell and Molecular Biology; Advanced Therapeutic Agents; Advanced Drug Delivery Technologies

MPharm – key facts

UCAS institution code: M62

UCAS course code: B230

Attendance: 4 years full-time

Entry requirements:

You should have:

ABB at A level (including two science based subjects, one of which must be chemistry)

Or

BTEC National Diploma in Applied Science with Distinction*/Distinction*/Distinction overall

Or

BTEC National Diploma in Applied Science with Distinction/Distinction/Distinction overall and AS-level chemistry at grade B.

Or

International Baccalaureate: an overall score of 32 points (15 at Higher level), to include 5 or more points in both chemistry and one other science-based subject.

Plus you must also have GCSEs at grade 5 or above in English and mathematics to demonstrate your literacy and numeracy skills.

Alternative qualifications

- Scottish Highers: AB at Advanced Higher level to include chemistry and one other pure science based subject, and BB at Higher level in two additional subjects; plus relevant qualifications in English language and mathematics.
- Irish Leaving Certificate: H3, H3 at Higher level in chemistry and one other science, and H3, H2, H2 in three additional subjects at Higher level; plus O2, O2 in mathematics and English language.
- Graduate entry: applicants with a UK first degree in a relevant subject must have achieved 2.2 or above.
- International qualifications: international applicants will be assessed on an individual basis based on the UK NARIC equivalent to their qualifications.
- You must have an appropriate English language qualification and an appropriate science background.
- Alternative English language qualifications: IELTS at grade 7.0 in each category, Cambridge English Advanced Certificate at grade B.

Master of Pharmacy (MPharm) with Foundation Year

Why study this programme?

Are you interested in studying the MPharm programme but do not meet the entry criteria to enter directly? The MPharm with Foundation Year is a 5 year course, specifically designed for students who have not taken the necessary A level subjects or for students who have been disadvantaged during their secondary education. The MPharm with Foundation Year includes a year of foundational study and prepares you for the MPharm course.

What will you study?

Years 0, 1, 2 and 3 are taught at undergraduate level; Year 4 is taught at Master's level.

Year 0: Only for MPharm with Foundation Year

- Essentials in Chemical Sciences (15 credits)
Throughout this course, you will develop your understanding of the basics of chemistry including:
 - atomic structure, bonding and basic reaction mechanisms in organic chemistry in relation to drug action
 - the representation of molecular structure and basic stereochemistry
 - solution equilibria, the rates of chemical reactions and the factors that affect them
- Essentials in Biological Sciences (15 credits)
In this module, you will learn the basics of biological sciences such as:
 - the differences between viruses, prokaryotic and eukaryotic cells, and explain the function of their relevant organelles
 - the different transport and exchange mechanisms in animal cells
 - the concept of inheritance in individuals and in populations with the associated impact upon evolution and speciation
- Academic Study Skills for University (15 credits)
This module will allow you to develop the skills necessary for university study, for example:
 - using a variety of information sources, both working in learning groups and independently for assessments
 - using appropriate referencing systems for all academic work and understand how to use the available literature without plagiarising
 - writing effectively using academic conventions such as essays, formal reports and laboratory reports
- Numeracy for pharmacy and biomedical sciences (15 credits)
By the end of this module, you will have learned the mathematical skills required for pharmacy including:
 - how to undertake simple and complex (level appropriate) mathematical calculations
 - the ability to apply knowledge gained in the classroom to elementary problem solving
 - the ability to collect, summarise and appraise numerical and basic statistical data
- Introduction to Pharmacy Skills (30 credits)
In this course, you will acquire the skills and knowledge that are essential for pharmacy such as:
 - a basic understanding of the roles and the responsibilities of a pharmacist
 - practical skills relating to pharmacy and the ability to undertake these skills in a simulated environment including dealing with health-related enquiries from members of the public
 - a basic knowledge and understanding of the legal framework that cover medicines and pharmacy
 - knowledge and understanding of the documentary evidence and practice required to support a safe and effective pharmacy environment
 - knowledge and understanding of the lifelong learning commitments and professional development requirements of a pharmacist



- Introduction to Laboratory Practice (15 credits)
Through this module, you will gain the skills and understanding needed to work in laboratory environments, for example:
 - an appreciation of the importance of Health and Safety in the laboratory
 - the ability to demonstrate a range of fundamental laboratory/industry skills with an aptitude to develop others in the future
 - the ability to use scientific method to test a hypothesis or theory
- Drugs and Diseases (15 credits)
By studying this module, you will develop an understanding of the basic concepts of pharmacology and an understanding of how the body works.

Year 1: Introductory Principles

- Medicinal Products: Chemistry and Pharmaceutics for Pharmacy (30 credits)
- Molecules, Cells and Body Systems: Cell Biology and Biochemistry (30 credits)
- Molecules, Cells and Body Systems: Physiology and Pharmacology (30 credits)
- Introduction to Pharmacy: Professional Skills, Law and Ethics (30 credits)

Year 2: Medicines and Disease

- Medicines and Diseases: Heart, Renal, Endocrine and Nutrition (40 credits)
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Year 4: Research and Application

- Sustained Research Project (40 credits)
- Preparing for Practice (60 credits)
- Advanced Science Elective (20 credits)

One option from a range including: Advanced Neuroscience; Advanced Cell and Molecular Biology; Advanced Therapeutic Agents; Advanced Drug Delivery Technologies

Master of Pharmacy (MPharm) with Foundation Year (cont)

MPharm with Foundation Year – key facts

UCAS institution code: M62

UCAS course code: B231

Attendance: 5 years full-time

Entry requirements

You should preferably have:

DDD at A Level in science subjects or BTEC national extended diplomas in Applied Science.

Plus GCSE Maths and English language grade 4 or above.

Applicants with BTEC national diplomas and BTEC national extended certificates – please contact us directly in order to supply information regarding specific units studied.

Alternative qualifications

- Scottish Highers: BB at Advanced Higher with preference for Biology and/or Chemistry or one other pure science based subject and BB at Higher Level in two additional subjects; and relevant qualifications in English language and maths.

- Irish Leaving Certificate: Grade H4 in three subjects and H5 in two subjects at Higher level. In addition, we require grades 03 in both English and Maths at Ordinary level.
- International baccalaureate: offers normally in the range 26 to 30 points (12 to 14 at higher level, preferably in sciences (e.g. chemistry, biology, physics).
- European baccalaureate: Applicants will be considered on an individual basis.
- Graduate entry: applicants with a first degree in a relevant subject must have a 2:2 or above.
- Overseas qualifications: overseas applicants will be assessed on an individual basis based on the UK NARIC equivalent.
- You must have an appropriate English language qualification and an appropriate science background.
- Alternative English language qualifications: IELTS at grade 7.0 in each category, Cambridge English Advanced Certificate at grade B.

Transfer criteria

This Foundation Year is designed to help students prepare to enter the MPharm programme. Students studying the MPharm Foundation year may progress to stage 1 of the MPharm Programme if they meet all of the criteria listed below:

1. Achieve 60% in each of the foundation year modules
2. Successfully complete a Selection event which will occur in the university's resit period
3. Demonstrate the professional requirements to study on the full MPharm programme prior to registration on stage 1. These are summarised below:
 - Complete a full Health and Vaccination Declaration
 - Complete a Disclosure and Barring Service check (DBS)
 - Make a Fitness to Practice Declaration annually



Career opportunities

After successful completion of the programme, you will receive an MPharm degree.

In order to register with the General Pharmaceutical Council and practise as a qualified pharmacist in the UK, you will be required to undertake a period of additional training and study. This includes a preregistration year, where you will further develop the skills from your degree as a paid employee in a professional environment.

Teaching and assessment

The course includes lectures, seminars, laboratory work, small group work, practice based activities and assignments. There are also a number of placements throughout the programme, so you will benefit from both academic and practice-related environments.

The degree culminates in a sustained research project which constitutes one third of the final year of the programme.

Practice placements are an integral element of the MPharm and are undertaken in both community and hospital pharmacy settings. You will be required to complete a one-day practice experience in community pharmacy in Year 1. This is followed by a week in both community and hospital pharmacy in Year 2 and two weeks in both settings in Year 3.

Assessment includes written examinations and a range of ongoing assessments, such as lab reports and presentations.

Success stories

Mr Nana Ofori-atta

Delmergate Teacher
Practitioner
Medway School of
Pharmacy



Nana is a member of the MSoP alumni and is also an academic member of staff.

How would you describe your experience studying at Medway School of Pharmacy in 3 words?

Friendships, Experience, Amazing

Which one memory will you never forget from your time at MSoP?

During one of our chemistry labs, my lab partner and I were supposed to be producing Aspirin to use for future calculations. While everyone in the lab managed to make a clean white crystalline

aspirin, our aspirin came out pink because I had left the indicator paper in it. The lecturer and the lab technician looked very confused! Anyway, it turned out it didn't matter what the colour was because we had still made aspirin. So if you see pink aspirin on the market it was made here first!

What piece of advice would you give to future pharmacy students?

Figure out your learning style as soon as possible and be honest with yourself about your learning needs. This skill will help you through your time as a student and also in your career after university.

Bethany Goodlife

MPharm Year 2 student
Medway School of
Pharmacy



Bethany has just begun her second year on the Master of Pharmacy programme at MSoP.

How would you describe your experience at MSoP so far in 3 words?

Challenging, enjoyable and rewarding.

Which one memory will you never forget from your time at MSoP?

I'll never forget the day I got offered my place, right through to receiving my first year results. Hard work and determination pays off and it

showed me I should never give up on something I want to achieve.

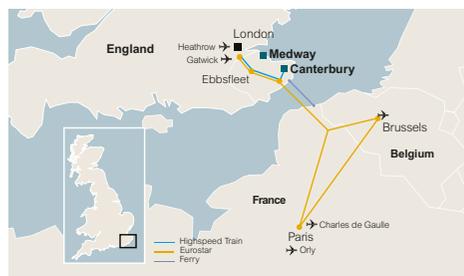
What piece of advice would you give to future pharmacy students?

Engage with all of the opportunities available to you whilst studying, whether that is part time work or extracurricular activities. Everything will help with your personal and professional development as well as your studies!

Where to find Medway



The Universities at Medway are located on a campus that is close to the towns of Rochester, Chatham and Gillingham. The region is steeped in history and rich in maritime heritage with Rochester's splendid castle and cathedral and The Historic Dockyard, Chatham. The area is in north Kent, just 40 minutes by fast train from London and 75 minutes by train from the Channel ports.



How to apply

Home and overseas students must apply through UCAS. Please carefully consider the programmes available and apply as early as possible. For further information and UCAS deadlines, please visit www.ucas.com

Medway School of Pharmacy

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In partnership with:



UNIVERSITY *of*
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